Application/Control No. Applicant(s)/Patent under Reexamination Index of Claims 10/815,640 LAPSTUN ET AL. Examiner **Art Unit** 2625 Madeleine AV Nguyen (Through numeral) Cancelled Rejected Non-Elected Appeal Ν Α 0 Restricted Allowed Interference Objected

| Cli          | aim      |          |             | D               | ate           |         |                 |          |     | Clair                  | m        |          |         |              | Date     |                         |        |                 |          | CI       | aim        |          |                |   | Da                      | te      |  |   |          |
|--------------|----------|----------|-------------|-----------------|---------------|---------|-----------------|----------|-----|------------------------|----------|----------|---------|--------------|----------|-------------------------|--------|-----------------|----------|----------|------------|----------|----------------|---|-------------------------|---------|--|---|----------|
| Final        | Original | 3/30/06  |             |                 |               |         |                 |          |     | Final                  | Original |          |         |              |          |                         |        |                 |          | Final    | Original   |          |                |   |                         |         |  |   |          |
|              |          |          |             | $\sqcup$        | _ _           | _       | $\sqcup$        | _        |     |                        |          | 4        | 1       | <u> </u>     |          | 4                       | 1      |                 |          |          |            | $\dashv$ | $\perp$        | 4   | $\bot$                  | _       | Ш  | $\perp$   |          |
|              | 1        | ٧        |             | $\vdash$        | $\dashv$      | +       | ╁╌┤             | :        |     |                        | 51<br>52 | +        | +       | ⊢            | $\vdash$ | +                       | -      | Н.              |          |          | 101        | -        | -+             | +   | +                       | +       | $\vdash$   |   |          |
| <u>-</u>     | 3        | +        |             |                 |               | ╫       | ╂═╂             |          |     |                        | 52<br>53 |          | +-      | -            | $\vdash$ | +                       | +      |                 |          |          | 102<br>103 |          | +              | +   | +                       | ╁       | $\vdash$   | -+  | $\dashv$ |
|              | 4        | Н        |             | ╁╼╁             | +             | ╁       | ╁               | -        |     |                        | 54       | +        | +-      | H            | $\vdash$ | +                       | +      | ╁╌              |          |          | 103        | $\dashv$ | $\dashv$       | +   | +-                      | +       | H  | +   | -        |
| <u> </u>     | 5        | +        |             | +               | _             | +       | $\Box$          | $\dashv$ |     |                        | 55       | +        | ╅       | 1            | $\dashv$ | $\dashv$                | +      | ╁               |          |          | 105        | $\dashv$ | +              | +   | ╁                       | +       | $\vdash$   | $\dashv$  | $\dashv$ |
|              | 6        | +        |             |                 |               | +-      | +               | -        |     |                        | 56       | +        | +       |              | $\vdash$ | $\top$                  | +      | $\vdash$        |          |          | 106        | $\dashv$ | +              | +   | +                       | +       | $\vdash$   | $\dashv$  | ᅱ        |
|              | 7        | 1        |             | $\Box$          | $\neg$        | $\top$  | T               |          |     |                        | 57       | $\top$   |         |              | _        | +                       | 1      | Н               |          |          | 107        | $\neg$   | $\top$         | $\top$  | 十                       | T       | $\vdash$   | +   | ⊣        |
|              | 8        | 1        |             |                 |               |         | П               |          |     |                        | 58       | T        | 1-      |              | $\Box$   | 十                       | $\top$ | П               |          |          | 108        | $\neg$   | 十              | _   | 十                       | 1       | $\Box$   |   | ╛        |
|              | 9        |          |             |                 |               |         |                 |          |     |                        | 59       |          |         |              |          |                         |        |                 |          |          | 109        |          | 丁              | $\top$  | 十                       | 1       | $\Box$   | T   | ヿ        |
|              | 10       |          |             |                 |               |         |                 |          |     |                        | 60       |          |         |              |          | Т                       |        |                 |          |          | 110        |          | T              | T   | T                       | 1       | П  |   | ٦        |
|              | 11       |          |             |                 |               |         | $\Box$          |          |     |                        | 61       |          |         |              |          | $oldsymbol{\mathbb{I}}$ |        |                 |          |          | 111        |          | $\Box$         | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\perp$                 |         |  |   |          |
|              | 12       | L        |             | $\Box$          | $\bot$        | L       | Ц               |          |     |                        | 62       | $\bot$   | Ţ       | 匚            | $\Box$   | $\prod$                 |        | $\Box$          |          |          | 112        |          | $\perp \Gamma$ |   |                         |         |  |   |          |
| <u> </u>     | 13       | 1        |             | Ш               |               | $\perp$ | $\sqcup$        | _        |     |                        | 63       |          |         |              | $\Box$   |                         |        | Ш               |          |          | 113        |          |                |   |                         | $\perp$ | П  | $\bot$  |          |
| <u></u>      | 14       | 4        |             | $\sqcup$        | $\perp$       | $\bot$  | $\sqcup$        | _        |     |                        | 64       | _        | $\bot$  | $oxed{oxed}$ | $\sqcup$ |                         | _      | Ш               |          |          | 114        | _        | _              |   | 4                       | 1_      | Ш  | $\perp$   | $ \bot $ |
| <u> </u>     | 15       | 4        |             | $\sqcup$        | +             | +       | $\sqcup$        | _        |     | $\vdash \vdash \vdash$ | 65       | 4        | $\perp$ | <del> </del> | $\sqcup$ | - -                     | -      | $\sqcup$        |          |          | 115        | _        | _              | 4   | - -                     | $\bot$  | Н  | $\dashv$  | $\bot$   |
| <u></u>      | 16       | +        | -           |                 |               | +       | 1-1             | _        |     |                        | 66       | _        | +       | <b>!</b>     | -        |                         | +      | Н               |          |          | 116        | _        | 4              | _   | +                       | $\perp$ | $\sqcup$   | +   | $\dashv$ |
| -            | 17       | 4        | _           | $\vdash$        | +             | -       | ++              | _        |     |                        | 67       | +        | +-      | ┡            | $\dashv$ | +                       | -      | Н               |          |          | 117        | 4        | 4              | 4   | $\perp$                 | $\perp$ | $\sqcup$   | -   | 4        |
| <u> </u>     | 18       | ╀        |             | -               |               |         | $\vdash$        |          |     | <u> </u>               | 68       | +        | +       | -            | -        | -                       | +-     | Н               |          |          | 118        |          | +              | 4   | +                       | +       | $\vdash$   | -   | _        |
|              | 19<br>20 | ╫        |             |                 |               |         | +               |          |     |                        | 69<br>70 | -        | +-      | ├-           | $\vdash$ | +                       | +      | $\vdash$        |          |          | 119        | _        | -              | +   | +                       | +       | $\vdash$   | -   | 4        |
| $\vdash$     | 21       | ╀        |             | ⊢               | -             | ╁       | +               |          |     |                        | 70 71    |          | +-      | $\vdash$     | $\dashv$ | +                       | -      | Н               |          |          | 120        |          | +              | +   |                         | +       | $\vdash$   | +   | $\dashv$ |
| <u> </u>     | 22       | +        |             | $\vdash$        | $\dashv$      | +       | +               |          |     |                        | 72       | +        | +       | ┢            | $\vdash$ | +                       | +      | Н               |          |          | 121<br>122 | -        | +              | +   | +                       | +       | $\vdash$   | +   | $\dashv$ |
| -            | 23       | +        | -           | $\vdash$        | +             | ╁       | ╁╌╂             |          |     |                        | 73       | +        | ╁       | ┢            | +        | +                       | +      | Н               |          |          | 123        | -        | $\dashv$       | +   | +                       | ╁       | $\vdash$   | +   | $\dashv$ |
|              | 24       | +        | -           | $\vdash$        | $-\vdash$     | +       | 1 1             | $\dashv$ |     |                        | 74       | +        | ╁       | H            | $\vdash$ | +                       | ╁      | Н               |          |          | 124        | -        | $\dashv$       |   | +                       | +       | <del>                                     </del> | +   | $\dashv$ |
| -            | 25       | +        | _           |                 | $\dashv$      | +-      | 1 1             |          |     |                        | 75       | +        | +       | $\vdash$     | $\vdash$ | +                       | +      | Н               |          |          | 125        | $\dashv$ | +              | +   | +                       | +       | $\vdash$   | +   | $\dashv$ |
| _            | 26       | +        |             | $\vdash$        |               | +       | $\vdash$        |          |     |                        | 76       | +        | +       | $\vdash$     | $\vdash$ | $\dashv$                | +-     | H               |          |          | 126        | -        | -              | +   | +                       | +       | $\vdash$   | $\dashv$  | $\dashv$ |
|              | 27       | $\top$   |             |                 |               | 1       | $\Box$          |          |     |                        | 77       | $\top$   | $\top$  | $\vdash$     |          | +                       | +-     | Н               |          |          | 127        | $\dashv$ | _              | 十   | 十                       | +       | $\Box$   | 十   | ᅱ        |
|              | 28       | 十        |             |                 | $\neg$        | $\top$  | $\Box$          |          |     |                        | 78       | $\dashv$ | 1       | $\vdash$     | $\Box$   | $\top$                  | 1      | П               |          |          | 128        | _        | +              | +   | 十                       | T       | $\Box$   | 十   | ┨        |
|              | 29       | T        |             |                 |               |         | $\Box$          |          |     |                        | 79       | _        |         |              |          |                         | $\top$ | П               |          |          | 129        | 寸        |                | 十   | $\top$                  |         |  | $\dashv$  | ヿ        |
|              | 30       |          |             |                 |               | 1       | $\Box$          |          |     |                        | 80       |          |         |              |          |                         |        | П               |          |          | 130        | コ        | T              | 1   | 1                       |         |  | 寸   | ヿ        |
|              | 31       | $\Box$   |             |                 |               |         | П               |          |     |                        | 81       |          |         |              |          |                         |        |                 |          |          | 131        |          |                |   | Т                       |         | П  | $\exists$   | ٦        |
|              | 32       | $\perp$  |             | Щ               |               |         | $\Box$          |          |     |                        | 82       |          |         |              | $\Box$   |                         |        |                 |          |          | 132        | $\Box$   | I              | $oldsymbol{\mathbb{I}}$   | $oldsymbol{\mathbb{T}}$ |         |  |   |          |
| <u></u>      | 33       |          | $\Box$      | Щ               |               | $\perp$ | $\sqcup$        | _        |     |                        | 83       |          | _       | Ц            |          |                         | 1      | $\Box$          |          |          | 133        |          | $\Box$         |   |                         |         |  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\Box$   |
| L            | 34       | $\perp$  |             | $\vdash \vdash$ |               | $\bot$  | $\sqcup$        | _        |     |                        | 84       | _        | 4       | Ш            | $\Box$   | $\perp$                 |        | Щ               |          |          | 134        |          |                | _ _   |                         | $\perp$ | $\Box$   | $\perp$   | $\Box$   |
| $\vdash$     | 35       | +        | $\Box$      | $\vdash \vdash$ | _             | 4       | $\vdash$        | _        |     |                        | 85       | $\perp$  | 4_      | Н            | $\sqcup$ | _                       | 4      | Щ               |          |          | 135        |          | $\perp$        | 4   | 4                       | $\bot$  | Щ  | 4   | _        |
|              | 36       | +        | $\dashv$    | $\vdash \vdash$ | +             | +       | $\vdash \vdash$ | _        |     |                        | 86       | +        | -       | $\vdash$     | $\dashv$ | +                       | -      | Ш               |          |          | 136        | _        | $\perp$        | $\bot$  | 4                       | $\bot$  | $\sqcup$   | _   | 4        |
| <u> </u>     | 37       | +        |             | ⊢-              | +             | +       | $\vdash \vdash$ | -        |     |                        | 87       | +        | +-      | -            | -        | +                       | +      | $\vdash \vdash$ | <b>.</b> |          | 137        | 4        | +              | $\perp$   | +                       | 4-      | $\vdash$   | 4   | $\dashv$ |
| <del> </del> | 38<br>39 | √        | $\dashv$    | $\vdash$        | $\dashv$      | +       | $\vdash$        | -        |     |                        | 88       | +        | +       | $\vdash$     | $\dashv$ | +                       | +      | $\vdash \vdash$ | <b>.</b> |          | 138        | $\dashv$ | +              | +   | +-                      | +       | $\vdash$   | +   | 4        |
|              | 40       | <u> </u> |             |                 | +-            | ┿       | $\vdash$        | -        |     |                        | 89<br>90 | +        | +-      | $\vdash$     | $\dashv$ | +                       | +      | Н               |          |          | 139        | $\dashv$ | +              | +   | +                       | +       | $\vdash$   | -   | 4        |
| <b></b>      | 41       |          | -           | $\vdash$        | +             | +       | ╁               | -        |     |                        | 91       | +        | +       | $\vdash$     | $\dashv$ | +                       | +-     | Н               | }        |          | 140<br>141 | $\dashv$ | +              | - -   | +                       | +       | ┝  | $\dashv$  | $\dashv$ |
|              | 41       |          |             | $\vdash$        | +             | +       | $\vdash$        | $\dashv$ |     |                        | 92       | +        | +       | $\vdash$     |          | +                       | +      | $\vdash \vdash$ |          |          | 142        | $\dashv$ | +              | +   | +                       | +       | $\vdash \vdash$                                  | +   | $\dashv$ |
|              | 43       | _        | $\dashv$    | $\vdash$        | +             | +       | -               | -        |     |                        | 93       | +        | ╁       | $\vdash$     | +        | +                       |        | Н               |          |          | 143        | $\dashv$ | +              | +   | +                       | +       | $\vdash \vdash$                                  | +   | $\dashv$ |
| $\vdash$     | 44       |          | $\dashv$    | +               | +             | +       | +               |          |     |                        | 94       | ┰        | +       | Н            | $\dashv$ | +                       | +      | Н               | iii l    | $\dashv$ | 144        | -        | +              | +   | +                       | +       | $\vdash$   | +   | $\dashv$ |
| $\vdash$     | 45       | _        | -           | -               | +             | +       | +               | -        |     |                        | 95       | ╅        | +-      | $\vdash$     | $\dashv$ | +                       | +      | H               | iiil     | -        | 145        | -        | +              | +   | +                       | +       | $\vdash \vdash$                                  | +   | $\dashv$ |
| $\vdash$     | 46       | _        | -           | -               | $\dashv$      | +       | $\vdash \vdash$ | -        | ii) |                        | 96       | +        | +       | $\vdash$     | -        | +                       | +      | Н               | ⊪        | -        | 146        | $\dashv$ | +              | ╁   | +                       | +-      | $\vdash \vdash$                                  | $\dashv$  | $\dashv$ |
| H            | 47       |          | $\dashv$    | -               | -             | +-      | $\vdash$        | -        |     |                        | 97       | 十        | +       | Н            | $\dashv$ | +                       | +-     | Н               |          |          | 147        | $\dashv$ | +              | ╁   | +                       | +       | H  | +   | $\dashv$ |
|              | 48       |          | $\top$      | $\vdash$        | $\top$        | +       | $\sqcap$        | -        |     |                        | 98       | $\top$   | $\top$  | П            | $\dashv$ | - -                     | +-     | Н               |          |          | 148        | $\dashv$ | +              | +   | +                       | +       | $\vdash$   | +   | $\dashv$ |
| П            | 49       |          |             |                 | $\neg \vdash$ | $\top$  | 1 1             | $\neg$   |     |                        | 99       | +        | $\top$  | П            | $\dashv$ |                         | +      | Н               |          | $\neg$   | 149        |          | $\top$         | +   | +-                      | $\top$  | $\vdash$   | $\top$  | $\dashv$ |
| -            | 50       | _        | $\neg \neg$ |                 | $\neg$        | 1       | П               | 1        |     | 1                      | 00       | _        | 1       | П            | $\dashv$ | $\top$                  |        | Н               |          |          | 150        | 7        | $\dashv$       | $\top$  | 十                       | 1-      | ┌┤   | $\dashv$  | $\dashv$ |